Jazzy 1143

Owner's Manual

How A Power Chair Should Feel

Pride Mobility Products Ltd.

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SAFETY GUIDELINES

Please read and follow all instructions in this owner's manual before attempting to operate your power chair for the first time. If there is anything in this manual you do not understand, or if you require additional assistance for set-up, contact your authorised Pride provider.

Using your Pride product safely depends upon your diligence in following the warnings, cautions, and instructions in this owner's manual. Using your Pride product safely also depends upon your own good judgement and/or common sense, as well as that of your provider, caregiver, and/or healthcare professional. Pride is not responsible for injuries and/or damage resulting from any person's failure to follow the warnings, cautions, and instructions in this owner's manual. Pride is not responsible for injuries and/or damage resulting from any person's failure to exercise good judgement and/or common sense.

The symbols below are used throughout this owner's manual to identify warnings and cautions. It is very important for you to read and understand them completely.

WARNING! Failure to heed the warnings in this owner's manual may result in personal injury.

CAUTION! Failure to heed the cautions in this owner's manual may result in damage to your power chair.

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I. INTRODUCTION

Welcome to Pride Mobility Products, Ltd. (Pride). Congratulations on the purchase of your new Jazzy power chair. The Jazzy 1143 design combines the most advanced state-of-the-art components with modern, attractive styling. We are certain that the design features and trouble-free operation of your new Jazzy power chair will add convenience to your daily living.

At Pride, your safety is important to us. **Please read and follow all of the instructions in this manual before you attempt to operate your Jazzy for the first time.** These instructions were produced for your benefit. Your understanding of these instructions is essential for the safe operation of your new Jazzy power chair.

Pride is not liable for damage to property or personal injury arising out of unsafe use of a Jazzy power chair. Pride is also not liable for any property damage or personal injury arising out of the failure of any person and or/user to following the instructions and recommendations set forth in this manual or any other instructions or recommendations contained in other Jazzy related literature issued by Pride or contained on the Jazzy power chair itself.

This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you had purchased.

If you experience any problems with your Jazzy that your are unable to solve, or if you do not feel capable of safely following any of the instructions and/or recommendations as contained in this manual, please contact your authorised Pride provider for assistance.

Once you understand how to operate and take care of your Jazzy, we are certain that it will give you years of trouble-free service and enjoyment.

Information Exchange

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new Jazzy power chair, and about the service you received from your authorised Pride provider.

Please notify us of any change of address, so we can keep you apprised of important information about safety, new products, and new options that can increase your ability to use and enjoy your Jazzy. Please feel free to write us at the address below:

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I. INTRODUCTION

Pride Owners Club

As an owner of a Pride product, you are invited to register your product's warranty and enroll in the Pride Owners Club. You may do so by filling out and returning your enclosed registration card or by visiting Pride's web site at **www.pridemobility.com**. As a registered member, each time you visit our site, you will have access to the most interactive and honest educational venue available today for people with mobility needs, their families and friends.

From our home page, click on the button that reads "Owners Club" to enter a page dedicated to current and potential Pride product owners. You will gain access to interviews, stories, recreation ideas, daily living tips, product and funding information, and interactive message boards. On these message boards you are invited to speak with other Pride customers as well as Pride representatives who are available to assist you with any questions or concerns you may have. You will receive a free gift simply for registering with the Pride Owners Club.

My Authorised Pride Provider is:

Name:_____

Address:_____

Phone Number:_____

Quick Reference Information:

Jazzy Model:_____

Serial Number:_____

Purchase Date:_____

NOTE: If you ever lose or misplace your warranty card or your copy of this manual, call or write to us and we will be glad to send you a new one immediately.

II. SAFETY

The Jazzy 1143 is a state-of-the-art life-enhancement device designed to enhance your mobility. There are, however, certain situations—including some medical conditions—where you will need to practice operating your Jazzy 1143 in the presence of an attendant. Below are some safety tips that are designed to help you become accustomed to your new Jazzy.

WARNING! The Jazzy 1143 is a motorised vehicle. When you are seated in your Jazzy 1143 and you anticipate that you are going to be in a stationary position for an extended period of time, turn off the power. This eliminates the possibility of unexpected movement and conserves battery power.

TRANSFERS

Transferring onto and off of your Jazzy 1143 requires a good sense of balance. Be sure to have an attendant or health care professional present while learning to properly transfer yourself. To eliminate the possibility of injury, we ask that you verify the following before attempting a transfer:

1. Be sure the power is turned off.
2. Be sure the Jazzy 1143 is not in the freewheel mode.
3. Make sure the armrests are flipped up or removed from the power chair.
4. Tip the footrest up; this helps to keep your feet from hanging up on the footrest during the transfer.

WARNING! Avoid putting all of your weight on the footrest. This may cause the Jazzy 1143 to tip and cause injury!

MOTOR VEHICLE TRANSPORT

Though your Jazzy may be equipped with a positioning belt, this belt was not designed with the intent of providing proper restraint during motor vehicle transport.

- In an effort to improve the safety of its units during motor vehicle transport, Pride has crash tested numerous Jazzy models. However, since there are unlimited variations of the Jazzy product, all variations could not possibly be tested. Therefore, Pride recommends that Jazzy power chair users should not be transported in vehicles of any kind while in power chairs. As of this date, there are no standards approved for tie-down systems in a moving vehicle of any type to transport a user while in a power chair.
- Always be sure your Jazzy 1143 is properly secured when being transported.

WEIGHT LIMITATIONS

Your Jazzy 1143 is rated for a 136-kg (21.6 stone) maximum weight limit.

WARNING! Exceeding the weight limit voids your Jazzy warranty and may result in personal injury!

STAIRS AND ESCALATORS

WARNING! Power chairs are not designed to travel up or down stairs or escalators. Always use an elevator. If you try to navigate steps or escalators, you can cause injury to yourself and others!

PUBLIC ROADS AND PARKING LOTS

WARNING! Do not operate your Jazzy 1143 on public streets and roadways. Please be aware it may be difficult for traffic to see you when you are seated in your Jazzy. To ensure your safety, always assume you cannot be seen. Obey all local pedestrian traffic rules. Safety accessories like reflectors, fluorescent flags, and various lighting packages are available to order from your Pride provider.

STEPS AND KERBS

WARNING! Do not attempt to climb or descend a step or kerb higher or lower than 2.5 cm. Never attempt to proceed backwards down any step, kerb, or other obstacle. Doing so could cause the Jazzy 1143 to tip.

INCLINES AND UNEVEN TERRAIN

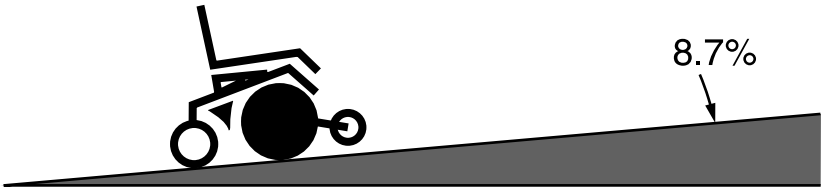
When climbing an incline, try to keep the chair moving. If you must stop, start up again slowly and accelerate cautiously.

WARNING! When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your Jazzy straight up the incline. This greatly reduces the possibility of a tip or fall. Always exercise extreme caution when navigating an incline. Never travel up or down an incline that can be potentially hazardous such as areas covered with snow, ice, or cut grass.

When moving down an incline, do so slowly and in the forward direction only. If your Jazzy 1143 starts to move faster than you anticipated, allow the unit to come to a complete stop by releasing the joystick. Then push the joystick forward slightly and continue traveling down the incline.

MAXIMUM RECOMMENDED INCLINE

Pride has performed extensive incline testing with your Jazzy 1143. Our results have shown that the maximum incline you can climb is 8.7% at maximum weight capacity. The angle of most handicap access ramps is 8.7%. Any attempt to climb a steeper slope may put your Jazzy in an unstable position.



III. THE JAZZY 1143

Your Jazzy has two main assemblies: the seat and the power base. See figure 1. There are a variety of seating options that are designed to accommodate most users. Typically, the seating system includes armrests, seatback, seat base, and joystick/controller. Your Jazzy seat may also have some optional accessories attached to it such as a basket, cane/crutch holder, a cup holder, or a power seat switch.

The power base is the heart of the Jazzy. The power base assembly includes two motor/brake assemblies, two anti-tip wheels, two drive wheels, a caster assembly with two rear caster wheels, two batteries, power seat, and a connector housing. See figures 1 and 2.

Figure 1. The Jazzy 1143

III. THE JAZZY 1143

Specifications	
Suspension:	Limited
Drive Wheels:	32 cm pneumatic, center-mounted (solid tyres are optional)
Rear Casters:	23 cm pneumatic, rear articulating
Anti-tip:	20 cm solid, front mounted
Max. Speed:	7 km/hr
Brakes:	"Intelligent Braking," electronic regenerative, disc park brake
Ground Clearance:	10 cm
Turning Radius:	50 cm
Overall Size:	Length: 99 cm Width: 62 cm
Seating Options:	Low-Back Medium-Back (standard) High-Back with headrest Versa Seat Power Elevating Option Available
Drive Train:	Two-motor, mid-wheel
Batteries:	Two 12-volt, U-1 batteries
Range:	Up to 40 km
Battery Charger:	3-amp, Onboard Off-board (optional)
Electronics:	50-amp Pilot Controller
Weight Capacity:	136 kg/ 21.6 stone
Component Weights:	Base: 46 kg Seat: 13 kg Batteries: 11 kg
Warranty:	Lifetime limited warranty on frame 2-year electronics warranty 18 months on drive motors

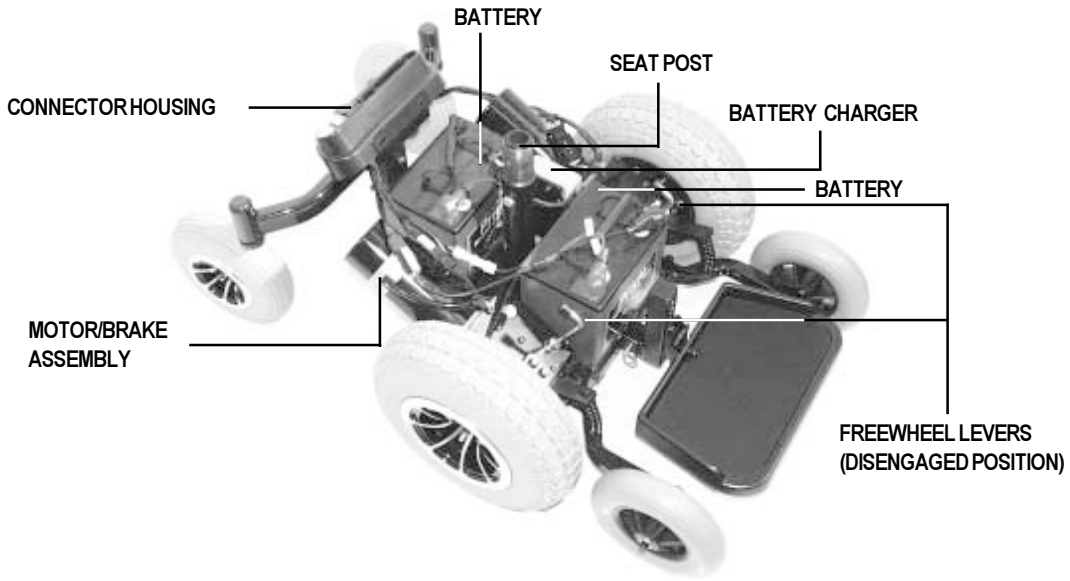


Figure 2. Power Base (Shroud Removed)

ELECTRONICS CONNECTOR HOUSING

The electronics connector housing is located on the rear of the Jazzy. See figure 3. This housing holds the ammeter, the battery charger power lead outlet, the main circuit breaker, and controller harness connectors.

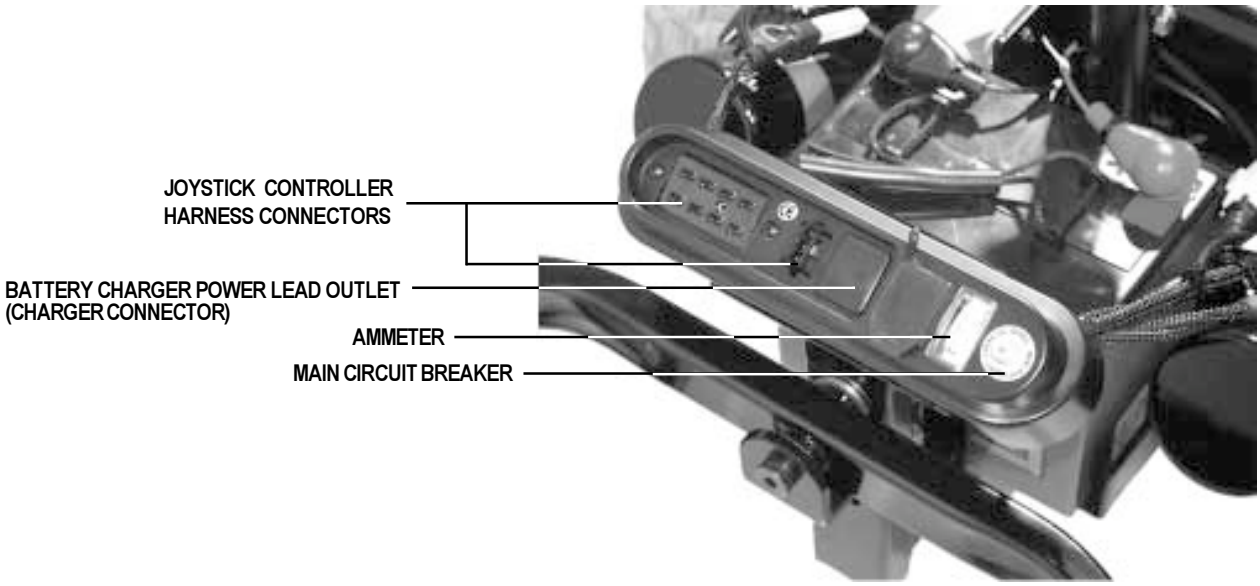


Figure 3. Electronics Connector Housing (Non Power Seat)

Ammeter: The ammeter displays the charger's current output in amps. For more information, see VI. "Batteries and Charging."

Battery charger power lead outlet: This is where your battery charger power lead plugs in. For more information, see VI. "Batteries and Charging".

Main circuit breaker: The main circuit breaker is a safety feature built into your Jazzy 1143. When the batteries and the motors are heavily strained (e.g., from excessive loads), the main circuit breaker trips to prevent damage to the motors and the electronics. If the circuit trips, allow the Jazzy to "rest" for approximately one minute. Then, push the circuit breaker button in, turn the controller power back on, and continue normal operation. If the main circuit breaker continues to trip repeatedly, contact your authorised Pride provider.

Joystick controller harness connectors: These are where the joystick cables connect to the power base.

FREEWHEEL LEVERS

For convenience, your Jazzy 1143 is equipped with two freewheel levers. See figure 2. These levers allow you to disengage the drive motors and maneuver the chair manually.

To engage or disengage the drive motors:

1. Locate the two (2) metal freewheel levers protruding from the body shroud.
2. Turn them inward to engage the drive motors. See figure 4.
3. Turn them outward to disengage the drive motors. See figure 5.

If the lever is difficult to move in either direction, slightly rock the Jazzy 1143 back and forth. The lever should then move to the desired position.

REMEMBER: When the Jazzy 1143 is in the freewheel mode, the braking system is disengaged.

WARNING! Do not use your Jazzy while the drive motors are disengaged! Do not disengage the drive motors when the Jazzy 1143 is on an incline, as the unit could roll on its own, causing injury!

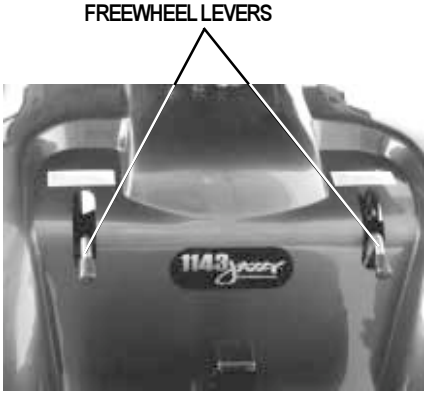


Figure 4. Freewheel Levers (Engaged)

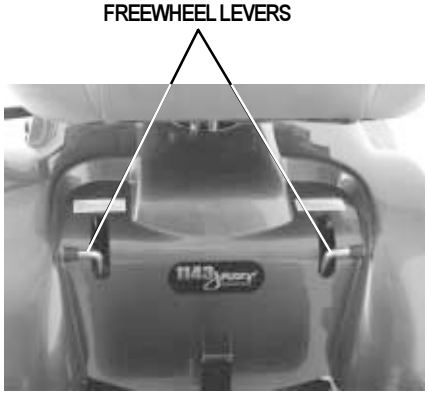


Figure 5. Freewheel Levers (Disengaged)

IV. COMFORT ADJUSTMENTS

After you have had your Jazzy for an extended period of time, you may find the need to adjust the seat. There are some adjustments you can make to increase your comfort such as seat height and armrest angle. If your Jazzy 1143 was configured at your local Pride provider or service center, please consult your health care professional before changing seat position or before making any other adjustments. Some of these adjustments may decrease your Jazzy's performance and safety by changing its center of gravity.

Seat Height

You can change the seat height to one of three positions in 2.5 cm increments.

To change the seat height:

1. Remove the seat. See V. "Disassembly."
2. Remove the shroud.
3. Use two 9/16-in. wrenches to loosen and remove the hex head nut and bolt. See figure 6.
4. Use a 5/32-in. hex key and a 7/16-in. wrench to loosen the nut and bolt on the rear of the seat pedestal base.
5. Slide the seat pedestal up or down in the seat pedestal base.
6. Align the holes on the seat pedestal and the seat pedestal base.
7. Reinstall the hex head nut and bolt, and tighten.
8. Reinstall the nut and bolt on the rear of the seat pedestal base, and tighten.

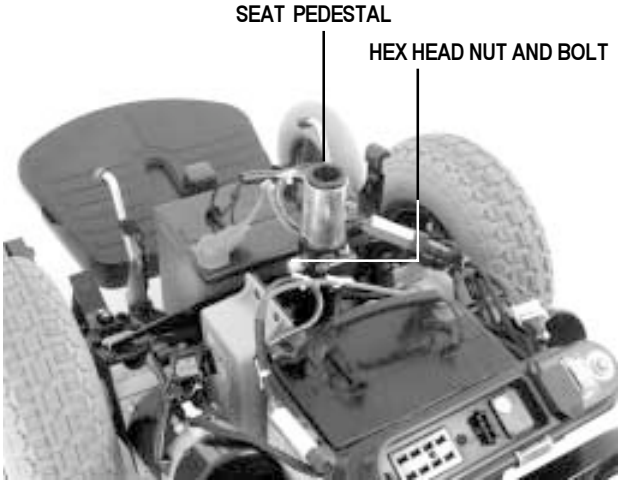


Figure 6. Seat Height Adjustment

Figure 7. Armrest Width

ARMREST WIDTH

To change the armrest width:

1. Locate the two knobs on the armrest receiver bracket. See figure 7.
2. Loosen the knobs; slide the armrests in or out to the desired width.
3. Retighten the knobs.

IV. COMFORT ADJUSTMENTS

ARMREST ANGLE

You can adjust the armrest angle to fit your specific needs.

To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Use a 7/16-in. wrench to loosen the locking nut. See figure 8.
3. Use a 5/32-in. hex key to loosen the height adjustment screw. Turn the screw clockwise to raise the front of the armrest and counter-clockwise to lower the front of the armrest.
4. Lock the adjusting screw into place by tightening the locking nut.

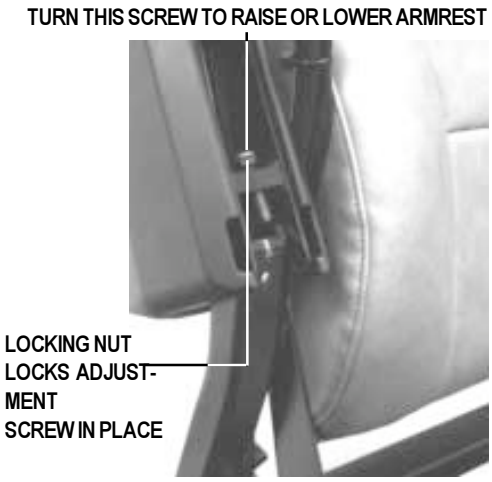


Figure 8. Armrest Angle

JOYSTICK EXTENSION

The joystick control can easily slide out away from the armrest, or in toward the armrest.

To extend the joystick:

1. Use a 3/16-in. hex key to loosen the setscrew. See figure 9.
2. Slide the joystick mounting bracket into or out of the armrest to the desired position.
3. Retighten the setscrew by turning it clockwise.

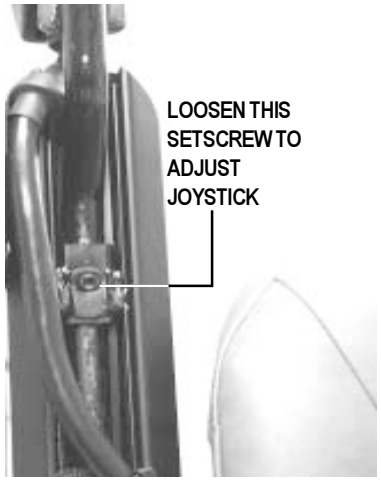


Figure 9. Joystick Extension

JOYSTICK POSITION

You can position the joystick for either left-hand or right-hand use.

To change the joystick position:

1. Disconnect the joystick controller harness connectors. Refer back to figure 3.
2. Cut the wire tie that attaches the controller cable to the armrest. See figure 10.
3. Use a 3/16-in. hex wrench to loosen the setscrew. See figure 9.
4. Slide the joystick mounting out of the armrest.
5. Loosen the setscrew in the other armrest.
6. Place the joystick bracket in the other armrest.
7. Tighten the setscrew.
8. Connect the controller cable to the armrest with a wire tie. See figure 10.

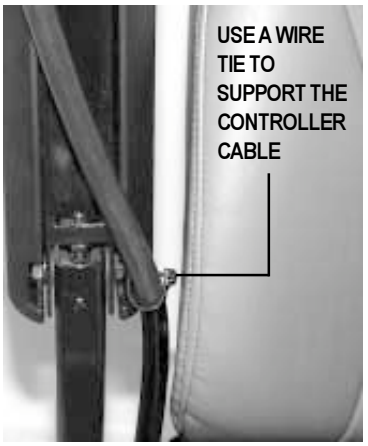


Figure 10. Wire Tie Location

ELEVATING LEG RESTS

Elevating Leg Rests (ELRs) provide the Jazzy with the ability to support each leg individually. Each ELR has a wide range of angle adjustments as well as a foot plate length.

SWING-AWAY LEG RESTS

Swing-away Leg Rests provide the Jazzy with the ability to swing each leg rest to the side for an easier transfer.

IV. COMFORT ADJUSTMENTS

FOOTREST HEIGHT

The footrest height is easily adjusted to eight different heights. See figure 11.

To raise or lower the footrest:

1. Remove the seat and the body shroud. See V. "Disassembly."
2. Remove the hex bolt and Nylock nut from the footrest.
3. Raise or lower the footrest to the desired height.
4. Reinstall the hex bolt and nut into the footrest.

FOOTREST ANGLE

You can adjust the angle of the footrest with a 3/16-in. hex key. See figure 11.

To adjust the footrest angle:

1. Turn the setscrew clockwise to raise the front of the footrest.
2. Turn the setscrew counterclockwise to lower the front of the footrest.

FOOTREST DEPTH

The Jazzy 1143 uses a ball detent pin to fasten it to the power base. For your convenience, Pride also supplies a hex head bolt and Nylock nut. You can use this bolt and nut instead of the ball detent pin for a more permanent fit.

To adjust the footrest depth:

1. Remove the ball detent pin from the footrest bracket.
2. Move the footrest in or out to the desired depth.
3. Reinstall the ball detent pin or the hex head bolt and nut (tighten with two 7/16-in. wrenches).

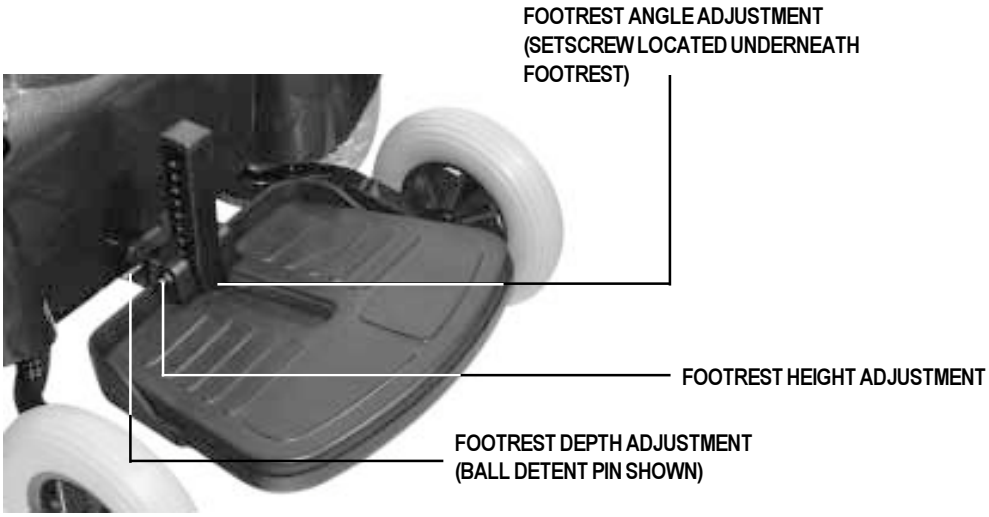


Figure 11. Footrest Adjustment

IV. COMFORT ADJUSTMENTS

ANTI-TIP WHEEL

WARNING! Consult your Pride provider before attempting to change the anti-tip wheel height! Changing the anti-tip height affects handling under deceleration!

The Jazzy 1143 mid-wheel drive design provides superior performance and safety. The anti-tip wheels are an integral part of this design because they provide you with stability during deceleration. The anti-tip wheels are preset at the factory to a height of 1.2 cm off the ground. This is the ideal setting for most Jazzy 1143 users. However, you may encounter situations where you may need to adjust the anti-tip wheels. For instance, if you drive your Jazzy on surfaces such as deep pile carpeting, you may notice that the anti-tip wheels have a tendency to drag on the carpet. In this case, you may need to raise the anti-tip wheels. If you drive your Jazzy primarily on smooth surfaces such as linoleum or tile, you may find that you are tipping forward more than is comfortable for you. In this case, you may need to lower the anti-tip wheels.

To adjust the anti-tip wheel height:

1. Remove the seat, the body shroud, and the batteries. See V. "Disassembly" and VI. "Batteries and Charging."
2. Locate the locking nut and adjustment bolt on the anti-tip assembly. See figure 12.
3. Use a 1/2-in. wrench to loosen the locking nut.
4. Turn the adjustment bolt clockwise to lower the anti-tip wheel. Turn the adjustment bolt counterclockwise to raise the anti-tip wheel.
5. Tighten the locking nut.

NOTE: Before making height adjustments on your anti-tips, consult your Pride provider to make sure that your seat is positioned properly. Moving your seat rearward 2.5 cm may be sufficient.

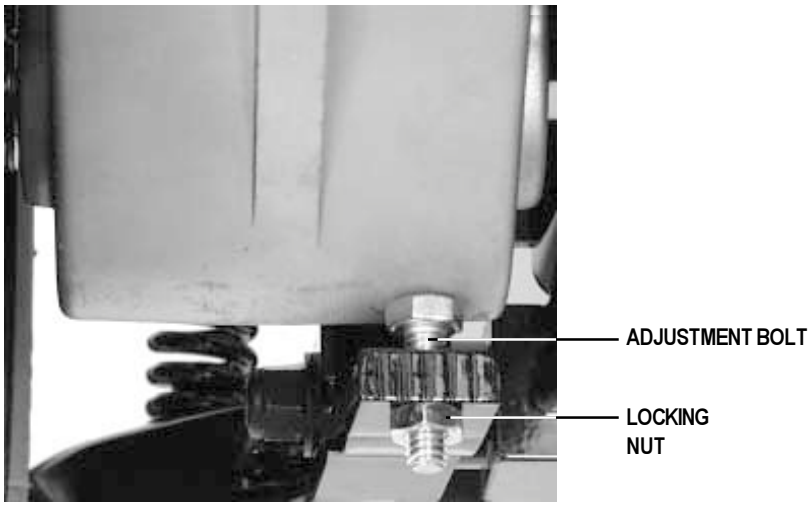


Figure 12. Anti-tip Height Adjustment

V. DISASSEMBLY

SEAT REMOVAL

You may wish to remove the seat to transport your Jazzy.

To remove the seat:

1. Turn the power off.
2. Make sure the Jazzy is not in freewheel.
3. Unplug main wire harness behind the seat.
4. Push the lock mechanism forward to loosen seat post (pull back to tighten).
5. Lift the seat up and out of the seat tower.

BODY SHROUD REMOVAL

The body shroud is a one-piece molded plastic body that covers the power base frame. You must remove the body shroud in order to change the batteries and check the cable connections.

To remove the body shroud:

1. Turn the power off.
2. Make sure the Jazzy's freewheel lever is engaged. See III. "The Jazzy 1143" in this manual.
3. Unplug the controller wiring harness.
4. Remove the seat.
5. Lift the body shroud straight up. It should lift up easily.

BATTERY REMOVAL

To remove the batteries, see VIII. "Care and Maintenance."

VI. BATTERIES AND CHARGING

Your Jazzy 1143 uses two long-lasting, 12-volt, deep-cycle batteries. These batteries are sealed and maintenance-free. Since they are sealed, there is no need to check the electrolyte (fluid) level. Deep-cycle batteries are designed to handle a deep discharge. Though they are similar in appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge and also are unsafe.

WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

CHARGING YOUR BATTERIES

The battery charger is one of the most important parts of your Jazzy 1143. The battery charger is designed to optimise your Jazzy 1143's performance by charging the batteries quickly and easily. The charging system consists of the charger, a charger fuse, and the ammeter. The charger is located between the batteries. See figure 13. The ammeter is located on the electronics connector housing for easy viewing. See figure 3. The ammeter indicates the rate of charge necessary to fully recharge the batteries. It is also a good indication of whether or not the charger is working. The ammeter and the charger are only functional when the charger power lead is plugged into a wall outlet.

WARNING! You must recharge your Jazzy 1143's batteries with the supplied onboard or off-board charging system. Do not use an automotive-type battery charger!

To charge the batteries using the onboard charger:

1. Position the rear of your Jazzy 1143 close to a standard wall outlet.
2. Be certain the controller power is turned off and the Jazzy is not in freewheel.
3. Plug the charger lead into the charger connector on the connector housing. See figure 3.
4. Extend the charger power lead and plug it into the wall outlet. The Jazzy 1143 incorporates an inhibit function that disables the power chair when the charger is plugged into a wall outlet.
5. The ammeter indicates how much charge is needed to fully charge the batteries. Wait about a minute for the charger to warm up. The ammeter may move up to as high as 3.5 amps, then gradually move back down to 0 amps as it charges.
6. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle slowly drops to zero. When the batteries are fully charged, the needle vibrates on or about the zero mark on the meter scale.
7. When your Jazzy 1143's batteries are fully charged, unplug the power lead from the wall outlet and from the charger receptacle and store it in a safe place.

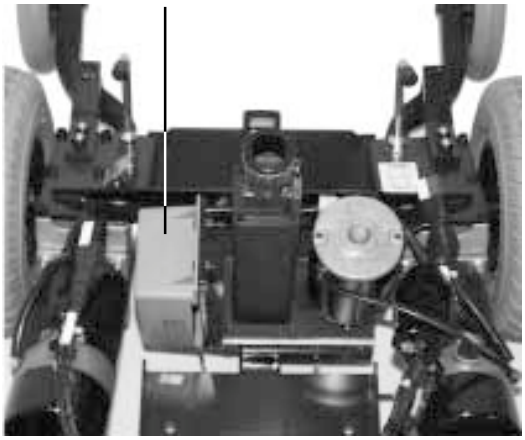


Figure 13. Onboard Battery Charger

VI. BATTERIES AND CHARGING

OFF-BOARD CHARGER

Your Jazzy may be equipped with an off-board charger. If desired, external chargers plug into the joystick controller. If your Jazzy is equipped with an external charger, refer to the instructions that came with the charger.

BATTERY BREAK-IN

To break in your Jazzy's new batteries for maximum efficiency:

1. Fully recharge any new battery prior to initial use. This brings the battery up to about 90% of its peak performance.
2. Run your Jazzy 1143 about the house. Move slowly at first and don't stray too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and run the Jazzy 1143 again. The batteries should now perform at over 90% of their potential.
4. After four or five charging cycles, the batteries top off at 100% charge and last for an extended period.

BATTERIES AND CHARGING—FREQUENTLY ASKED QUESTIONS (FAQS)

How does the charger work?

The battery charger takes the standard wall outlet voltage and converts it to 28VDC (direct current). The Jazzy 1143's batteries use direct current to run your power chair. When the battery voltage is low, the charger works harder to charge the batteries. This is why the charging ammeter initially reads 3.5 or more amps. As the battery voltage approaches a full charge, the charger doesn't work as hard to complete the charging cycle. This explains why the charging ammeter drops as it approaches a full charge. When the batteries are fully charged, the amperage from the charger is nearly zero. This is how the charger maintains a charge but does not overcharge the battery. Your Jazzy 1143's charger will not operate after the batteries have been discharged to nearly zero voltage. If this happens, call your authorised Pride provider for assistance.

Can I use a different battery charger?

You should use the charger supplied with the Jazzy 1143. It is the safest, most efficient way to charge the batteries. We do not recommend using other types of chargers (e.g., an automotive battery charger).

How often must I charge the batteries?

Many factors come into play when deciding how often to charge the batteries. You may use your Jazzy 1143 all day on a daily basis or you may not use it for weeks at a time.

- **Daily Use**

  If you use your Jazzy 1143 on a daily basis, charge the batteries as soon as you are finished using it for the day. Your Jazzy 1143 will be ready each morning to give you a full day's service. We recommend that you charge the batteries 8 to 14 hours after daily use. Do not charge the batteries for more than 24 hours.

- **Infrequent Use**

  If you use your Jazzy 1143 infrequently (once a week or less), you should charge it at least once per week for 12 to 14 hours.

VI. BATTERIES AND CHARGING

REMEMBER: Keep the batteries fully charged and avoid deeply discharging the batteries. Do not charge for more than 24 hours.

How can I get maximum range or distance per charge?
Rarely will you have an ideal driving situation such as smooth, flat, hard terrain with no hills or curves. More often you are presented with hills, footpath cracks, uneven and loosely packed surfaces, and curves. All of these factors affect the distance or running time per battery charge. The following are suggestions for obtaining the maximum range per charge:

- Always charge the batteries fully prior to your trip.
- Maintain 30-35 psi in pneumatic drive wheels.
- Plan your trip in advance to avoid inclines if possible.
- Limit the baggage weight to essential items.

What type of battery should I use?
We recommend deep-cycle batteries that are sealed and maintenance free. Both sealed lead-acid (SLA) and gel cell are deep-cycle batteries and are similar in performance.

Use these specifications to reorder deep-cycle batteries:

Battery Specifications	
Type:	Deep-cycle sealed lead-acid or gel cell
Size:	U-1
Voltage:	12V each
Amp Hours:	30-35 amp hours

Why do my new batteries seem weak?
Deep-cycle batteries employ a different chemical technology from that used in car batteries, nickel-cadmium (nicads), or in other common battery types. Deep-cycle batteries are specifically designed to provide power, drain down, and then accept a relatively quick recharge. Lead-acid batteries should be charged as often as possible. They do not have a "memory" like nickel-cadmium batteries.

We work closely with our battery manufacturer to provide a battery that best suits the Jazzy 1143's specific demands. Fresh batteries arrive regularly and are promptly shipped with a full charge. During shipping, the batteries encounter temperature extremes that may influence their initial performance. Heat robs the charge from the battery, and cold slows the power available and extends the time needed to recharge the battery (just as with a car battery).

It might take a few days for the temperature of the battery to stabilise and adjust to its new ambient temperature. More importantly, it takes a few "charging cycles" (a partial drain—then full recharge) to establish the critical chemical balance that is essential to the battery's peak performance and long life. It is well worth it for you to take the time to break in the batteries properly.

NOTE: The useful life of a battery is quite often a reflection of the care it receives.

VI. BATTERIES AND CHARGING

How can I ensure maximum battery life?

A fully charged deep-cycle battery provides reliable performance and extended battery life, so keep the batteries fully charged whenever possible. Batteries that are regularly and deeply discharged, infrequently charged, or stored without a full charge may be permanently damaged, causing unreliable Jazzy operation and limited life.

How should I store my Jazzy 1143 and batteries?

If you do not use your Jazzy 1143 regularly, we recommend maintaining battery vitality by charging the batteries at least once a week.

If you do not plan on using your Jazzy 1143 for an extended period, fully charge the batteries prior to storage. Disconnect the battery harnesses and store the Jazzy in a warm, dry environment. Avoid temperature extremes such as freezing conditions and excessively hot conditions, and never attempt to charge a frozen battery. A cold or frozen battery should be warmed for several days prior to recharging.

NOTE: If you are storing a Jazzy 1143 for an extended period of time, you may wish to block the unit up off the ground with several boards under the frame. This will keep the tyres off the ground and prevent the possibility of flat spots developing.

What about public transportation?

If you intend to use public transportation while using your Jazzy, you must contact in advance the transportation provider to determine their specific requirements. See II. "Safety" for more details.

Sealed lead-acid and gel cell batteries are designed for application in power chairs and in other mobility vehicles. Generally, sealed lead-acid batteries are safe for all forms of transportation such as aircraft, buses, and trains. We suggest that you contact your transportation provider to determine specific requirements of transportation and packaging.

WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

VII. OPERATION

JAZZY OPERATION/CONTROLLER

You control the speed and direction of your Jazzy by moving the joystick.

To operate your Jazzy:

1. Turn it on (push the on/off button). The battery condition meter lights, indicating the present charge of your battery.
2. Push the joystick in the direction you wish to move. The farther you push the joystick from the neutral (center) position, the faster the Jazzy 1143 moves.

JOYSTICK CONTROLLER

The controller translates the speed and directional information from the joystick for the motors. It has self-diagnostic features that are designed to search for potential problems at the rate of 100 times per second. If the controller detects a problem in the wheelchair's electrical system, the power chair may, depending on the severity of the problem, stop functioning. (See "Trouble Codes.")

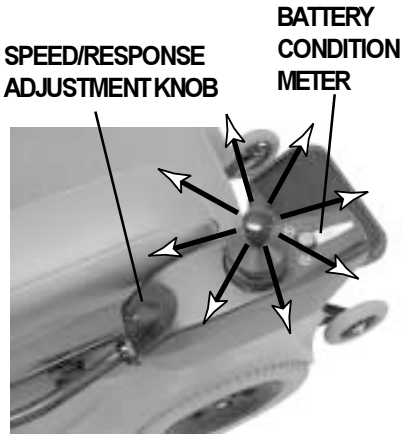


Figure 14. Pilot Controller

The controller is designed to maximise user safety under normal operating conditions. This controller, however, cannot take into account circumstances that put the Jazzy 1143 outside of its normal operating environment as described within this manual. It is very important that you follow the precautions described within this manual.

PILOT CONTROLLER

The Jazzy 1143 is currently available with the Pilot controller. The Pilot controller is located directly underneath the joystick—on the seat arm. See figure 14. The Pilot controller is connected to the motors, batteries, and battery charger through two connectors on the electronics connector housing. See figure 3.

VII. OPERATION

JOYSTICK FUNCTIONS

The joystick controls the direction and speed of the power chair. When you move the joystick from the neutral (center) position, the electromagnetic brake releases and allows the power chair to move. The further you push the joystick from its neutral position the faster you can move the chair. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brake. This causes the chair to decelerate and come to a complete stop.

CAUTION! In an emergency, you can use the on/off button to stop the Jazzy. However, the sudden deceleration can result in your unexpected movement and possible injury.

SPEED AND RESPONSE ADJUSTMENTS

The Pilot controller is equipped with a speed and response adjustment knob that helps you select the speed and response settings best suited to your requirements and environment. See figure 14. The knob controls the speed at which the Jazzy 1143 responds to joystick movement. When this knob is turned completely counterclockwise, the forward and reverse acceleration and braking are slowed substantially. When this knob is turned fully clockwise, the Jazzy 1143 responds to joystick commands in a more lively fashion.

NOTE: We recommend that the first few times you operate your Jazzy 1143 that you turn the speed and response knob completely counterclockwise to allow you to become familiar with your new Jazzy 1143.

BATTERY CONDITION METER

The battery condition meter is located immediately in front of the joystick. This enables you to monitor battery life. The battery condition meter indicates the approximate amount of battery life left. See figure 14.

- Red, yellow, and green bars indicate that the batteries are fully charged.
- Red and yellow bars indicate that you should charge the battery if possible.
- Red bars indicate that you should charge the battery as soon as possible, because low battery voltage may cause the chair to become inoperative.

NOTE: When the batteries begin to approach a discharged state, the first red bar will begin to slowly flash, reminding you the batteries need to be charged immediately!

TROUBLE CODES

In addition to indicating the current state of battery charge, the battery condition meter can also indicate possible problems with your Jazzy 1143. If the battery condition meter is flashing rapidly, the controller may be indicating a fault.

The meter itself has ten individual bars. The bars are meant to provide information by the amount of bars that are flashing. For instance, the very first red bar flashing rapidly indicates that the battery voltage is nearly depleted. The following is a list of the possible errors signified by the rapidly flashing meter.

FLASHING BARS	DIAGNOSIS	SOLUTION
10	High Battery Voltage	Check Batteries
9	Solenoid Brake Fault	Check Motor/Brake Wiring
8	Possible Controller Fault	See Authorized Pride Provider
7	Possible Joystick Fault	See Authorized Pride Provider
6	Inhibit Active	Unplug Charger/Check Connections
5	Right Motor Wiring Fault	Check Right Motor Wiring
4	Right Motor Disconnected	Check Right Motor Wiring
3	Left Motor Wiring Fault	Check Left Motor Wiring
2	Left Motor Disconnected	Check Left Motor Wiring
1	Low Battery Voltage	Check Batteries/Battery Wiring

If you cannot resolve your problem, see your authorised Pride provider.

CHARGER INHIBIT PLUG CONNECTION

The charger inhibit connector on the utility tray is coded with colored dots. The dots are positioned so that you align the flat side of the male connector with the flat side of the female connector before making the connection.

CAUTION! Failure to properly align the connectors can result in damage to the controller, the charger harness, and the connectors.

THERMAL ROLLBACK

Both Jazzy 1143 controllers are equipped with a thermal rollback circuit. This circuit monitors the temperature of the motors and the controller. In the event that the motors or controller become excessively hot (above 50°C/122°F), the controller reduces the motor voltage. For every degree above 50°C/122°F, the controller reduces the voltage by 5 volts. This reduces your speed and allows the components to cool down. When the temperature returns to a safe level, your Jazzy 1143 resumes its normal speed.

VIII. CARE AND MAINTENANCE

Your Jazzy is a sophisticated power chair. Like any motorised vehicle, it requires routine maintenance. You can perform some of these checks. Others require assistance from your authorised Pride provider. Preventive maintenance is very important. If you follow the maintenance checks in this section as scheduled, you can help ensure that your Jazzy gives you years of trouble-free operation. If you have any doubt as to your Jazzy's care or operation, contact your Pride provider.

CAUTION! Your Jazzy 1143, like most electrical equipment, is susceptible to damage from the elements. Avoid damp areas of any kind. Direct exposure to water or dampness could cause the power chair to malfunction electronically and mechanically. Water can cause electrical components to corrode and the frame to rust.

Should your Jazzy 1143 come in contact with water:

1. Dry your Jazzy 1143 as much as possible with a dry towel.
2. Allow your Jazzy 1143 to sit in a warm, dry place for 24 hours to allow unseen water to evaporate.
3. Perform all safety and operational tests before using your Jazzy again.
4. If any inconsistencies are found, take your Jazzy 1143 to your authorised Pride provider.

TEMPERATURE

Some of the parts of your Jazzy 1143 are susceptible to extreme changes in temperature.

- In extremely cold temperatures, the batteries may freeze. The specific temperature at which they freeze depends on a number of factors such as battery charge, usage, and composition of the batteries (e.g., sealed lead-acid or gel cell).
- Temperatures above 50°C/122° F may cause the Jazzy 1143 to operate at a reduced speed. This is a safety feature built into the controller that helps prevent damage to the motor and other electrical components. See VII. "Operation."

GENERAL GUIDELINES

- Avoid knocking or bumping your controller, especially the joystick.
- Avoid prolonged exposure of your Jazzy to extreme conditions such as heat, cold, or moisture.
- Keep the controller clean.
- Check all connections on the electronics connector housing to ensure that they are all tight and secured properly. Also check the charger harness connector.
- When the battery indicator gauge is completely lit, the batteries are fully charged and the controller and electrical system are OK.
- If one red bar on the battery indicator gauge is blinking slowly, the batteries are low and need to be charged, but the controller and electrical system are OK.
- If the battery indicator gauge is blinking rapidly, the controller has detected a fault in either its own circuits or in the Jazzy's circuits. See VII. "Operation."
- Make sure the drive tyres are inflated to 30-35 psi.
- Use a rubber conditioner on the tyre sidewalls to help preserve them. Check the tyres for wear.

VIII. CARE AND MAINTENANCE

- The body shroud has been sprayed with a clear sealant coating. You can apply a light coat of car wax to help it retain its high-gloss appearance.
- Check all electrical connections. Make sure they are tight and are not corroded. Batteries must sit flat within the battery area, with the battery terminals facing inward toward each other. Refer to the frame decal for the correct wiring layout.
- All wheel bearings are pre-lubricated and sealed. They require no subsequent lubrication.

DAILY CHECKS

- With the controller turned off, check the joystick. Make sure it is not bent or damaged and that it returns to the center when you release it. Check the rubber boot around the base of the joystick for damage. Visually inspect the boot only. Do not handle or try to repair it. See your authorised Pride provider if there is a problem.
- Visually inspect the controller harnesses. Make sure that they are not frayed or cut or have any wires exposed. See your authorised Pride provider if there is a problem with any of these harnesses.

WEEKLY CHECKS

- Disconnect and inspect the controller and charger harnesses from the electronics connector housing. Look for corrosion. Contact your authorised Pride provider if necessary.
- Ensure that all parts of the controller system are securely fastened to your Jazzy. Do not overtighten any screws.
- Check for proper tyre inflation; there should be 30-35 psi in each tyre. If a tyre will not hold air, see an authorised Pride provider for replacement of the tube.
- Check the brakes. This test should be carried out on a level surface with at least one meter of clearance around your Jazzy.

To check the brakes:

1. Turn on the controller and turn down the speed control.
2. After one second, check the battery gauge. Make sure that it remains on.
3. Slowly push the joystick forward until you hear the electric brakes click.

NOTE: The Jazzy may move when performing this test. Immediately release the joystick. You must be able to hear each electrical brake operating within a few seconds of joystick movement.

4. Repeat this test three times, pushing the joystick backwards, left, and right.

VIII. CARE AND MAINTENANCE

MONTHLY CHECKS

- Check that the anti-tip wheels are not rubbing the ground when you are operating the Jazzy. Adjust them as necessary. See IV. "Comfort Adjustments."
- Check for extreme wear on the front anti-tip wheels. Replace them as necessary.
- Check for drive tyre wear. See your authorised Pride provider for repair.
- Check the rear casters for wear. Replace as necessary.
- Check the rear forks for damage or fluttering which indicates that they may need to be adjusted or the bearings may need to be replaced. See your authorised Pride provider for repair.
- Keep your Jazzy clean and free of foreign material such as hair, food, drink, etc.

YEARLY CHECKS

Take your Jazzy to your authorised Pride provider for yearly maintenance. This will help ensure that your Jazzy is functioning properly and help prevent future complications.

STORAGE

Your power chair should be stored in a dry place free from temperature extremes. When storing, disconnect the batteries from the Jazzy. See VI. "Batteries and Charging" for complete instructions. If you fail to store the unit under the above conditions, the frame can rust and the electronics can be damaged.

CLEANING INSTRUCTIONS

- Never hose off your Jazzy 1143 or place it in direct contact with water.
- Your Jazzy 1143 has a clear-coated ABS plastic body shroud that allows it to be easily wiped clean with a damp cloth. Never use any chemicals to clean a vinyl seat, as they may cause the seat to become slippery or dry out and crack. Use soapy water and dry the seat thoroughly.

TYRES AND TUBES

If your Jazzy 1143 is equipped with pneumatic tyres, you should check the air pressure at least once a week. This prolongs the life of your tyres as well as helps ensure the perfect operation of your chair. If you have a flat tyre, replace the tube. Replacement tyres and tubes are readily available through the provider where you purchased your Jazzy 1143.

WARNING! Completely deflate the tyre (if pneumatic) before attempting repair!

VIII. CARE AND MAINTENANCE

Follow these easy steps for a quick and safe tube or tyre replacement:

1. Completely deflate the tyre (if pneumatic).
2. Use a 17-mm socket wrench to remove the nut from the wheel axle.
3. Pull the wheel off of the axle.
4. Use a 14-mm socket wrench and ratchet to remove the four bolts that hold the two-piece wheel together. The rim separates into two pieces.
5. Remove the old tube and/or tyre and replace with new tube or tyre.
6. Place the rim halves together and reinstall bolts.
7. Slide the wheel back onto the shaft and torque the nut to 16 ft.-lbs.
8. Inflate the tyre to 30-35 psi (if pneumatic).

BATTERY REPLACEMENT

To replace the battery:

1. Turn the power off.
2. Unplug the controller wire harness. See V. "Disassembly."
3. Remove the seat.
4. Remove the body shroud.
5. Engage the motor drive assembly. See III. "The Jazzy 1143."
6. Remove the 1/2-in. nuts and bolts that fasten the battery cables to the battery.
7. Install the new batteries into the Jazzy 1143 with the terminal sides of the batteries turned inward facing each other.
8. Connect the wire marked (+) to the closest positive (red) battery terminal.
9. Connect the wire marked (-) to the closest negative (black) battery terminal on the other battery.
10. Connect one circuit breaker harness to the empty positive (red) terminal of one battery and the other circuit breaker harness to the empty negative (black) terminal of the other battery.
11. Dispose of your old batteries in accordance with your local disposal laws.

MOTOR BRUSHES

The electric motors that power your Jazzy use carbon brushes. These brushes may become susceptible to wear over a long period of time. The motor brushes are the two contacts located inside the motor assembly that supply power to the motor. They are designed to provide several thousand hours of operation. But if the brushes become dirty with carbon deposits or wear out, the motor will run poorly or not at all. We recommend that your authorised Pride provider inspect the brushes every six months, or sooner if your Jazzy 1143 runs poorly. If inspection determines excessive wear on the brushes, they must be replaced or motor damage will result.

NOTE: Failure to maintain the brushes could void the Jazzy's warranty.

To inspect or replace the motor brushes:

1. Remove the seat and body shroud. See V. "Disassembly."
2. Unscrew the motor brush caps. See figure 15.
3. Remove the brushes.
4. Inspect for wear. See figure 16.
5. Replace the brushes, if necessary. Contact your authorised Pride provider for replacement brushes.

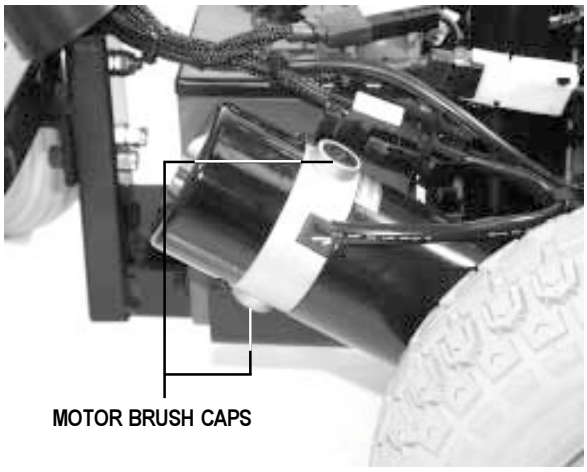


Figure 15. Motor Brush Caps

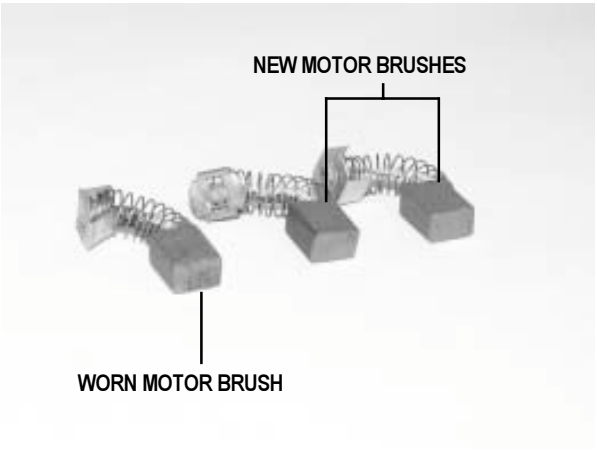


Figure 16. Motor Brushes

CORRECTIVE MAINTENANCE

If the battery indicator gauge does not light up:

- Check the harness connections. Make sure they are tight.
- Check the circuit breaker. Reset it by pushing in the circuit breaker reset button if necessary.
- Check the battery connections.

If the above conditions prove normal, you can load test the batteries with a battery load tester. These testers are available at automotive parts stores. Disconnect both batteries before load testing and follow the directions that come with the load tester. If either one of the batteries fails the load test, replace both of them. If your Jazzy still does not power up, contact your authorised Pride provider.

VIII. CARE AND MAINTENANCE

WHEN TO SEE YOUR PRIDE PROVIDER FOR SERVICE

The following symptoms could indicate a serious problem with your Jazzy. If necessary, contact your authorised Pride provider. When calling, have the model number, serial number, nature of the problem, and the trouble code if available.

- motor noise
- frayed harnesses
- cracked or broken connectors
- uneven wear on any of the tyres
- jerky motion
- pulling to one side
- bent or broken wheel assemblies
- does not power up
- powers up, but does not move

IX. OPTIONS AND ACCESSORIES

POWER ELEVATING SEAT OPTION

Your Jazzy may be equipped with a power elevating seat. This feature can enhance the capabilities of the Jazzy in several ways:

- By elevating the seat, your level of reach is extended to allow more freedom and independence in many environments.
- You can easily adjust the Jazzy's seat height to any surface to which you want to transfer. The seat swivels 90 degrees to whichever side the joystick is located.
- By raising your seat, you are closer to the eye level of standing persons. This provides better interaction.

For all the benefits your elevating seat can provide you, there are limitations. The following precautions must be observed in order to assure safe use of the Jazzy Elevating Seat option.

- Read and understand this owner's manual thoroughly before operating the Jazzy.
- The power seat option is intended for use on a level surface only.
- Always fasten the seat belt when operating the elevating seat. Your Jazzy's power elevating seat is equipped with a system that reduces the power chair's speed by one half whenever the seat is elevated more than 2.5-5 cm. Always check to be sure this system is operating properly before using your Jazzy.
- Operate the Jazzy only on a flat level surface whenever the elevating seat is raised from its lowest position.

WARNING! Never raise the seat from its lowest position on an inclined surface. Failure to heed this warning can result in the Jazzy tipping over and causing injury.

WARNING! Never raise the seat from its lowest position when operating your Jazzy on bumpy or uneven surfaces. Failure to heed this warning can result in the Jazzy tipping over and causing injury.

WARNING! Never raise the power elevating seat while your Jazzy is in the freewheel mode.

IX. OPTIONS AND ACCESSORIES

Your Jazzy power elevating seat can be activated by using the power seat toggle switch located close to your joystick. See figure 17. The toggle switch connector plugs into the power seat connector housing. See figure 18.

CAUTION! Be sure you are on a flat, level surface before activating the power elevating seat.

To raise the power elevating seat, push the toggle switch forward. Releasing the toggle switch returns the switch to its center (upright) position. To continue your lift, push the toggle switch forward again. Once the seat reaches its highest extension, the lift action stops; you should continue to hear and/or feel the lift motor running. This is because there is a clutch mechanism that allows the motor to continue running after the lift has reached its limit. This clutch works at both the top and bottom extensions of the lift. In order to prolong the life of your lift mechanism, please do not allow the motor to run more than a few seconds after the mechanism reaches the top or bottom limit. To return the seat to its lowest position, pull the toggle switch toward you. Releasing it stops the motor. When returning to the lowest position, always be sure that the mechanism has reached its lowest limit.

To use the swivel feature, locate the swivel lever under the seat. It is located on the opposite side of the joystick. Push down on the lever and the seat can be swiveled 90 degrees.

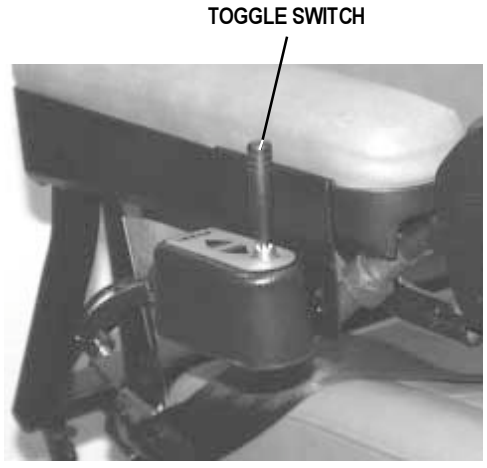


Figure 17. Power Seat Toggle Switch

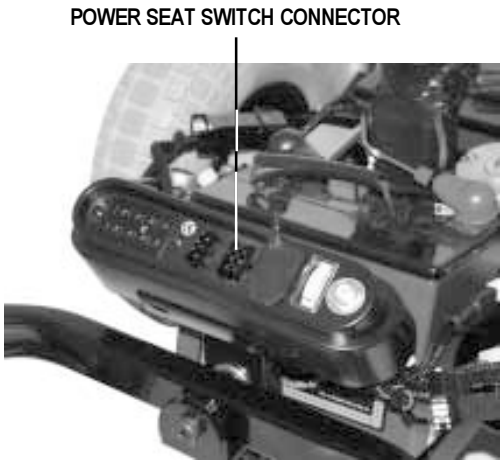


Figure 18. Power Seat Connector Housing

IX. OPTIONS AND ACCESSORIES

The following accessories are available from your authorised Pride provider.

POSITIONING BELT

The positioning belt is designed to support your torso so that you do not slide down or forward in the seat. See figure 19.

- The positioning belt is not designed for use as a restraining device.
- Make sure the belt is secure but does not cause discomfort.

NOTE: The positioning belt is not designed for use as a seat belt in a motor vehicle. Nor is your Jazzy 1143 suitable for use as a seat in any vehicle. Anyone traveling in a vehicle should be properly belted into seats approved by the vehicle manufacturer.

OXYGEN TANK HOLDER

The removable oxygen tank holder is mounted to the back of the seat by means of the accessory bracket. See figure 20.

CANE AND CRUTCH HOLDER

The removable cane and crutch holder is mounted to the back of the seat by means of the accessory bracket. See figure 21.

WALKER HOLDER

The removable walker holder is mounted to the back of the seat by means of the accessory bracket. It can hold a standard size walker. See figure 22.

CUP HOLDER

The cup holder is mounted to the armrest. See figure 23.

REAR BASKET

The rear basket is mounted to the accessory bracket. It has a handle that you can use when you remove the basket from the Jazzy 1143. See figure 24.

Figure 19. Positioning Belt

Figure 20. Oxygen Tank Holder

IX. OPTIONS AND ACCESSORIES

Figure 21. Cane And Crutch Holder

Figure 22. Walker Holder

Figure 23. Cup Holder

Figure 24. Rear Basket

SWING-AWAY JOYSTICK BRACKET

This option enables you to move the joystick from the front of the armrest to the side of the armrest without disconnecting it.

SPECIALTY SEATING SYSTEMS

Your Jazzy may be equipped with specialty seating or the Versa Seat. Please refer to the instructions that come with this seat.

X. WARRANTY

LIFETIME LIMITED WARRANTY
Structural frame components, including: platform, fork, seat post, and frame welds.

TWO-YEAR LIMITED WARRANTY
Drive train, including: differential, motor, and brake.

ONE-YEAR LIMITED WARRANTY
Your Pride Jazzy is fully guaranteed for twelve (12) months from the date of purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from, but is in addition to your legal rights.

All electronic parts, including controllers and battery chargers, have a one (1) year warranty. Servicing to the controller or battery charger must be carried out by your authorised Pride provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

NOT COVERED UNDER WARRANTY
This guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, and batteries), or damage to the product caused by misuse or accident for which Pride or its agent cannot be held responsible. This warranty does not include labor or service calls.

BATTERIES
Batteries are covered by a twelve (12) month warranty from the original manufacturer.

Gradual deterioration in performance due to being left in a discharged state, left in cold conditions for long periods of time, or worn out through heavy use is not covered.

SERVICE CHECKS AND WARRANTY SERVICE
Warranty service can be performed by your authorised Pride provider. Please contact your authorised Pride provider for advice on the current cost affecting the service visit.